Index of Claims

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|              |      |  |

Application/Control No.

10/701,447 Examiner

Dennis M. Butler

Applicant(s)/Patent under Reexamination

HOTTA ET AL.

Art Unit

2115

| 7 | Rejected |
|---|----------|
| 1 | Allowed  |

| • | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| Α | Appeal   |  |
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| 0 | Objected |  |

| Clá             | aim           |  |               |          | Da            | ate          |          |  |          | Cl       | aim      | -        |                 | Date               |                  |                 |       | Cl    | aim        |          |               |          | Date   | В         |                 |                |        |
|-----------------|---------------|--|---------------|----------|---------------|--------------|----------|--|----------|----------|----------|----------|-----------------|--------------------|------------------|-----------------|-------|-------|------------|----------|---------------|----------|--|-----------|-----------------|----------------|--------|
|                 | - G           | ñ  |               |          |               |              |          |  |          |          | <u>a</u> |          |                 |                    |                  |                 |       |       | <u> </u>   |          |               |          |  |           |                 |                |        |
| Final           | Original      | 11/29/05   |               |          |               |              | 1 1      |  |          | Final    | Original |          |                 |                    |                  |                 |       | Final | Original   |          |               |          |  |           |                 |                | 1      |
| Œ               | ٦             | Ξ  |               | 1        |               |              |          |  |          | Œ        | Ğ        |          |                 |                    |                  |                 |       | 证     | Öriç       |          |               |          |  |           |                 |                |        |
|                 |               |  | Щ             |          |               |              | 1 1      |  | _        | <u> </u> |          |          |                 | 11                 |                  |                 |       |       |            | $\Box$   | $\bot$        | _        |  |           |                 | $\dashv$       |        |
| <u> </u>        | 1             | V  | Ш             | _        | _             |              | $\perp$  |  | 4        | <u> </u> | 51       |          | $\sqcup \bot$   | $\perp$            | $\dashv$         | $\bot$          |       |       | 101        | $\sqcup$ | $\perp$       | _        |  | Ц         | _               | 4              | _      |
| <u> </u>        | 2             | V  | $\sqcup$      | _        |               |              | $\perp$  | -  | 4        | <u> </u> | 52       |          | $\sqcup$        | 44                 | $\dashv$         |                 |       |       | 102        | $\sqcup$ |               | ļ        |  | Ш         | _               | $\dashv$       | _      |
|                 | 3             | 1  | Ш             | 4        | +             | 1            | $\vdash$ | -  | 4        | ļ        | 53       | _        | $\vdash \vdash$ | $\dashv$           | -                | $\perp$         |       |       | 103        | $\sqcup$ | +             | ├        |  | $\sqcup$  | -               | -              | _      |
| <u> </u>        | 4             | 1  |               | -        |               |              | +        | $\dashv$   | -        | <u> </u> | 54<br>55 |          | $\vdash$        | ++                 | ++               |                 |       |       | 104        | $\vdash$ | -             | ⊢        | _  | $\vdash$  | $\dashv$        | $\dashv$       | _      |
|                 | 5             | √  | Н             | $\dashv$ |               |              | +        |  | -        | <u> </u> |          |          | -               | +                  | ++               |                 |       |       | 105        | $\dashv$ | +             | $\vdash$ |  | -         |                 | $\dashv$       | _      |
|                 | <u>6</u><br>7 | l ×  | $\vdash$      | $\dashv$ |               | +            | +        | -  | -        | <b> </b> | 56<br>57 | +-       | -               | ++                 | +                |                 |       |       | 106<br>107 | $\vdash$ |               | ┝        | H  | $\vdash$  | -               | $\dashv$       | _      |
|                 | 8             | ┝  | H             | $\dashv$ | +             | +            | +        | +  | -        | <u> </u> | 58       |          | $\vdash$        | +                  | ++               | $\dashv$        |       |       | 108        | $\dashv$ | +             | ╁        | -  | $\vdash$  | $\dashv$        | $\dashv$       | _      |
|                 | 9             | -  | $\vdash$      | -        | +             | +            | +        | +  | -        | ⊩-       | 59       |          | H               | +                  | +                | $\dashv$        |       |       | 109        | $\dashv$ | +             | ┼        | $\vdash$   | $\vdash$  | 十               | $\dashv$       | _      |
|                 | 10            | -  | $\vdash$      | $\dashv$ | +             | +            | +        | +  | $\dashv$ | <u> </u> | 60       |          |                 | + +                | $\dashv \dashv$  |                 |       |       | 110        | $\dashv$ | +             | ┼        | <del>                                     </del> | $\vdash$  | $\dashv$        | $\dashv$       | _      |
|                 | 11            |  | $\vdash$      | $\dashv$ | +             | +            | +        | $\vdash$   | انتا:    | <b> </b> | 61       |          |                 | +                  | $\dashv \dashv$  | -               |       |       | 111        | $\dashv$ | $\vdash$      | $\vdash$ | $\vdash$   | $\vdash$  | $\dashv$        | $\dashv$       | _      |
|                 | 12            |  | H             | $\dashv$ | +             | +            | 1-1      | _  | 1        |          | 62       |          | $\vdash \vdash$ | ++                 | ++               | $\dashv$        |       |       | 112        | $\vdash$ |               | $\vdash$ | Н  | Н         | $\dashv$        | $\dashv$       |        |
|                 | 13            | <del>                                     </del> | $\Box$        | $\dashv$ | $\dashv$      | $\top$       | +        |  |          |          | 63       |          |                 | ++                 | ++               | $\dashv \dashv$ |       |       | 113        | $\vdash$ | _             | t        |  | H         | $\dashv$        | $\top$         | _      |
|                 | 14            |  | $\Box$        | $\dashv$ | $\dashv$      | $\top$       | $\sqcap$ |  | 7        |          | 64       |          |                 | ++                 |                  | $\dashv \dashv$ |       |       | 114        |          | 1             | t        |  | H         | $\dashv$        | $\top$         |        |
|                 | 15            |  | П             | $\top$   | $\top$        | $\top$       | Ħ        |  | 7        |          | 65       |          |                 | 77                 |                  | $\dashv \dashv$ |       |       | 115        | $\Box$   | $\top$        | $\vdash$ |  | Н         | $\dashv$        | 十              | ٦      |
|                 | 16            |  |               |          |               |              | $\Box$   |  |          |          | 66       |          |                 | 11                 |                  | $\dashv \dashv$ |       | -     | 116        | $\Box$   | $\neg \vdash$ | T        |  | П         | 十               | $\top$         | $\neg$ |
|                 | 17            |  |               |          |               |              |          |  |          |          | 67       |          |                 | $\perp$            |                  |                 |       |       | 117        |          | 1             |          |  | П         | $\neg$          | $\neg$         |        |
|                 | 18            |  |               |          |               |              |          |  | 7:::     |          | 68       |          |                 |                    | $\Box$           | $\neg \neg$     |       |       | 118        |          | 1             |          |  | П         |                 | T              |        |
|                 | 19            |  |               |          |               |              | $\Box$   |  |          |          | 69       |          |                 |                    |                  | $\Box$          |       |       | 119        |          |               |          |  |           | $\Box$          | T              |        |
|                 | 20_           |  |               |          |               |              |          |  |          |          | 70       |          |                 |                    |                  |                 |       |       | 120        |          |               |          |  |           |                 | $oxed{oxed}$   |        |
|                 | 21            |  |               |          | $\perp$       |              | Ш        |  | _        | <u></u>  | 71       |          |                 |                    |                  |                 |       |       | 121        |          |               | _        |  |           |                 | $\perp$        |        |
|                 | 22            |  |               | $\perp$  | 4             |              | 1 1      |  | _        | L        | 72       |          |                 | $\perp \perp$      | $\perp$          | Ш               |       |       | 122        |          |               |          |  |           |                 | $\perp$        |        |
|                 | 23            |  |               |          | _             |              | $\sqcup$ |  | 4        |          | 73       |          | $\perp$         | +                  |                  |                 |       |       | 123        | _        |               |          | ш  |           | 4               | $\dashv$       | _      |
|                 | 24            |  | $\rightarrow$ |          | _             |              | $\perp$  |  | 4        |          | 74       |          |                 |                    | + $+$            | [               |       |       | 124        |          |               | <u> </u> | Щ  | Ш         | _               | $\dashv$       |        |
| <u> </u>        | 25            |  |               | 4        | _             | _            | +        |  | 4        | <u> </u> | 75       |          | $\vdash$        | +                  |                  | $\bot$          |       |       | 125        |          |               | <u> </u> |  | _         | $\dashv$        | $\dashv$       | _      |
| <u> </u>        | 26            |  | -             | -        | -             | -            | +        | _  | 4        | <u> </u> | 76       | $\dashv$ |                 | +                  |                  |                 |       |       | 126        |          | _             | ļ        |  |           | -+              | $\dashv$       | ႕      |
|                 | 27            |  |               | +        | +             | +            | ╂        | -  | - :::    | <u> </u> | 77       | -        | $\vdash$        | ++                 | +                |                 |       |       | 127        | $\vdash$ | -             | -        |  | $\vdash$  | -               | +              | _      |
|                 | 28            | _  | $\dashv$      | -        | -             | +            | +        |  | -        | <u> </u> | 78       |          | -               | +                  |                  |                 |       |       | 128        | $\dashv$ |               | -        |  | $\dashv$  | $\dashv$        | +              | _      |
| -               | 29<br>30      |  |               | $\dashv$ | +             | +            | +        | -  | -        | <u> </u> | 79<br>80 | _        | -               | + +                |                  |                 |       |       | 129        | $\dashv$ | +             | ╀        |  | -         | $\dashv$        | $\dashv$       | _      |
| -               | 31            |  |               | +        | +             | +            | +        | +  | -        |          | 81       |          |                 | +                  |                  |                 |       |       | 130<br>131 | +        | -             | ├        | -  | Н         | -               | $\dashv$       |        |
|                 | 32            | -  | -             | -        |               | +            | +        | $\dashv$   | -        |          | 82       |          | +               | +                  |                  | $\dashv$        |       |       | 132        | $\dashv$ |               | -        |  | H         | $\dashv$        | +              | -      |
|                 | 33            | Н  |               | +        | +             | +-           | +        | +  | -        | -        | 83       | +-       |                 | ++                 |                  | +               | 1     |       | 133        |          | +             | ╁        |  | -         | $\dashv$        | +              | _      |
| $\vdash$        | 34            | $\vdash$   | $\vdash$      | $\dashv$ | $\dashv$      | +            | + +      |  | ┨Ш       | _        | 84       |          |                 | ++                 | $\dashv$         | +               | ::::I |       | 134        | $\dashv$ | +             | $\vdash$ | $\vdash$   | $\dashv$  | $\dashv$        | +              | _      |
| $\vdash$        | 35            | $\vdash$   | $\dashv$      | -        | $\dashv$      | +            | † †      | -  | ۱        | -        | 85       | +        | $\vdash$        | ++                 | $\dashv +$       | +               |       |       | 135        | $\dashv$ | +             | $\vdash$ | Н  |           | $\dashv$        | +              | -      |
|                 | 36            | $\vdash$   | $\vdash$      | $\dashv$ | $\top$        | +            | +        | $\dashv$   | ۱        |          | 86       |          |                 | +                  | $\dashv \dagger$ | +               | iii l |       | 136        | -+       | +             | $\vdash$ | H  | $\vdash$  | $\dashv$        | +              | -      |
|                 | 37            |  | $\dashv$      | 十        | 十             | $\top$       | $\sqcap$ | $\neg$   | 1        |          | 87       |          | $\vdash$        | ++                 | ++               | $\dashv \dashv$ |       |       | 137        | $\dashv$ | +-            | $\vdash$ | $\dashv$   | $\forall$ | $\dashv$        | 十              | _      |
|                 | 38            |  |               | 十        | $\neg \vdash$ |              |          |  | 1        |          | 88       |          |                 | 11                 | 11               | $\dashv \dashv$ |       |       | 138        | $\dashv$ | 1             | 1        | H  |           | 十               | 十              | T      |
|                 | 39            |  |               | 丁        |               |              |          | 1  | 7        |          | 89       |          |                 | $\top$             |                  | $\Box$          |       |       | 139        | 寸        | _             |          |  |           | $\dashv$        | $\top$         | ٦      |
|                 | 40            |  |               |          | J             |              |          | [  |          |          | 90       |          |                 | 1                  |                  | $\top$          |       |       | 140        | 十        |               |          |  |           | $\top$          | す              | ٦      |
|                 | 41            |  | J             | 1        |               |              |          |  | ];;;;    |          | 91       |          |                 |                    |                  |                 |       |       | 141        |          |               |          |  |           | $\neg \uparrow$ | $\top$         | ٦      |
|                 | 42            |  |               |          |               |              |          | $\Box \mathbb{L}$  | ]        |          | 92       |          |                 | $\Box$             |                  |                 |       |       | 142        |          |               |          |  |           |                 | $\top$         |        |
|                 | 43            |  |               |          |               |              |          | $oldsymbol{ol}}}}}}}}}}}}}}$ |          |          | 93       |          |                 |                    |                  |                 |       |       | 143        | $\Box$   |               |          |  |           |                 | $\Box$         |        |
| igsquare        | 44            | Ш  | [             |          | 1.            | $oxed{\bot}$ |          |  | _        |          | 94       |          |                 |                    |                  |                 | ]     |       | 144        |          |               |          |  |           | $\Box$          | $\Box$         |        |
| $oxed{oxed}$    | 45            |  |               | $\bot$   | $\perp$       | _            | $\sqcup$ |  | _ !!!!   |          | 95       |          | $\bot \bot$     | 44                 | $\perp \perp$    | ]               |       | I     | 145        | $\Box$   |               |          |  |           |                 | $\perp \Gamma$ |        |
| $\sqcup \sqcup$ | 46            | _  | _             | 1        |               | ┸            | $\sqcup$ |  | 4        | <u> </u> | 96       | $\perp$  | $\perp$         | $\perp \perp$      | _                |                 |       |       | 146        |          |               |          |  |           |                 | $\perp$        |        |
|                 | 47            |  | _             | _        | $\perp$       | ╀-           | $\sqcup$ | _ _  | 4        | igsquare | 97       |          |                 | $\bot \bot$        | $\perp$          |                 |       |       | 147        |          | $\perp$       | Ш        |  | $\Box$    |                 | $\perp$        |        |
| $\square$       | 48            |  | _             | 4        | _             | _            | $\sqcup$ |  | 4        | <u> </u> | 98       | _ _      |                 | $\perp \downarrow$ | $\perp \perp$    |                 |       |       | 148        | $\perp$  | $\bot$        | Щ        |  | ļ         | $\perp$         | $\perp$        |        |
| $\vdash \vdash$ | 49            |  | $\dashv$      | $\dashv$ | _             | ╁            | $\vdash$ | $\dashv$   | 4        | <b> </b> | 99       |          | -               | 44                 | $\bot$           | $\perp$         |       |       | 149        | $\dashv$ |               | Ц.       | ļ  | _         | _               | $\perp$        |        |
|                 | 50            |  | 丄             |          | L_            |              |          |  |          |          | 100      |          |                 | 1 1                |                  | الل             |       |       | 150        |          | - 1           |          |  | ı         |                 |                | ı      |